



JP63231078



INVESTOR IN PEOPLE

PN - JP63231078 A 19880927  
PD - 1988-09-27  
PR - JP19870063368 19870318  
OPD - 1987-03-18  
TI - VALVE DEVICE

AB - PURPOSE: To make a valve open or close at only a specified temperature in a temperature control type valve device using a temperature sensing magnetic material by setting a Curie point of a 2nd temperature sensing magnetic piece arranged in a 2nd magnetic circuit lower than a Curie point of a 1st temperature sensing magnetic piece. CONSTITUTION: A 1st magnetic circuit is constituted in a housing 13 with a yoke 12 made of a magnetic body surrounding a movable valve body 14 made of a 1st temperature sensing magnetic body. A connection piece 17 made of a 2nd temperature sensing magnetic body is interposed along the housing 13 between left ends of the yoke 12 and a stator core 11 to constitute a second magnetic circuit. The Curie point of the 1st temperature sensing magnetic body 14 is set higher than that of the 2nd temperature sensing magnetic body 17. This makes the valve body 14 open only when the temperature of a fluid is higher than the Curie point of the 2nd temperature sensing magnetic body 17 and when it is lower than the Curie point of the 1st temperature sensing magnetic body 14.

IN - SUZUKI SHIGEMITSU  
PA - AISIN SEIKI  
IC - F16K31/66

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AB - PURPOSE: To make a valve open or close at only a specified temperature in a temperature control type valve device using a temperature sensing magnetic material by setting a Curie point of a 2nd temperature sensing magnetic piece arranged in a 2nd magnetic circuit lower than a Curie point of a 1st temperature sensing magnetic piece.  
- CONSTITUTION: A 1st magnetic circuit is constituted in a housing 13 with a yoke 12 made of a magnetic body surrounding a movable valve body 14 made of a 1st temperature sensing magnetic body. A connection piece 17 made of a 2nd temperature sensing magnetic body is interposed along the housing 13 between left ends of the yoke 12 and a stator core 11 to constitute a second magnetic circuit. The Curie point of the 1st temperature sensing magnetic body 14 is set higher than that of the 2nd temperature sensing magnetic body 17. This makes the valve body 14 open only when the temperature of a fluid is higher than the Curie point of the 2nd temperature sensing magnetic body 17 and when it is lower than the Curie point of the 1st temperature sensing magnetic body 14.  
I - F16K31/66